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(12) United States Patent Lee et al.

(54) LIGHT EMITTING APPARATUS

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This patent is subject to a terminal dis-

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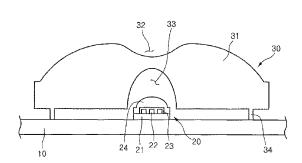
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(57) ABSTRACT

Provided is a light emitting apparatus. The light emitting apparatus includes a substrate; a light emitting device on the substrate; a fluorescent layer formed on the substrate and the light emitting device to surround the light emitting device; an encapsulant resin layer formed on the substrate and the fluorescent layer to surround the fluorescent layer; and a lens disposed on the light emitting device and supported by the substrate, wherein the lens includes a lens body having a first recess formed at a center of a top surface of the lens body and a second recess formed at a center of a bottom surface of the lens body, and a lens supporter provided at the bottom surface of the lens body is spaced apart from the substrate.

20 Claims, 4 Drawing Sheets

